

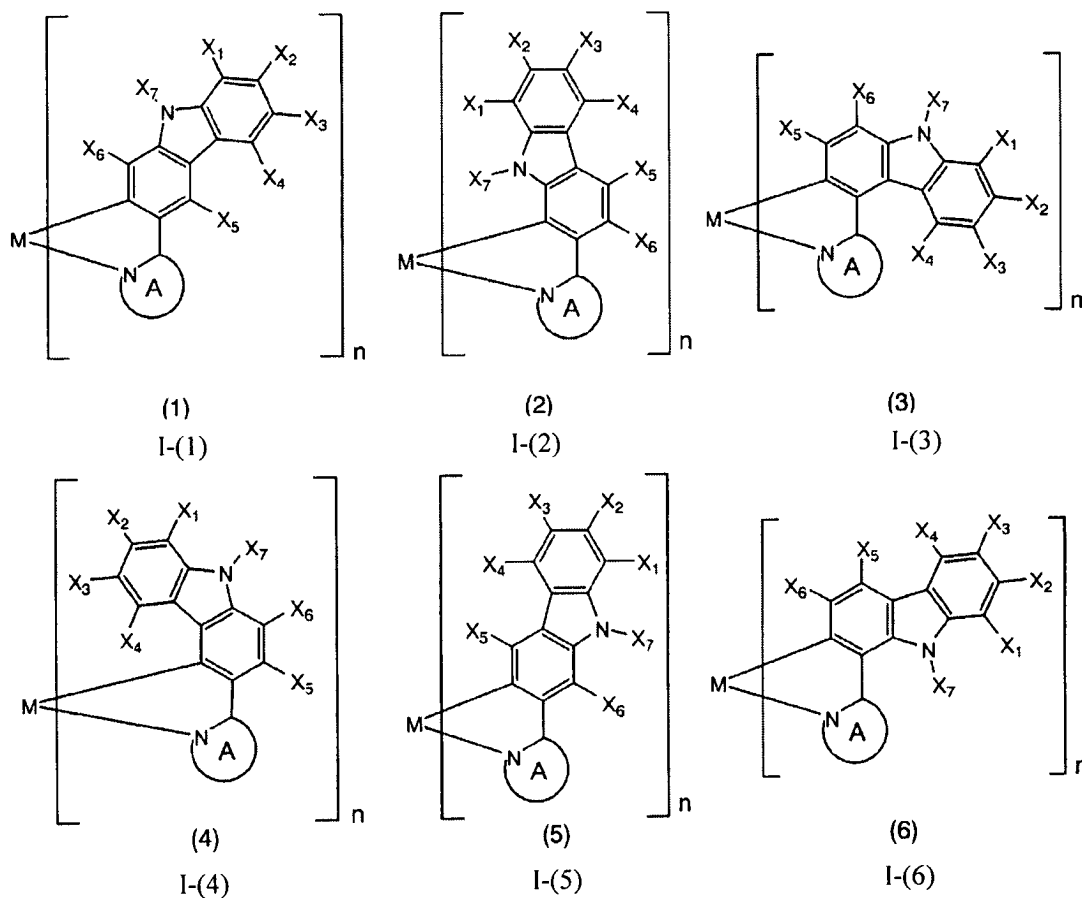
AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

Listing of Claims

Claim 1 (Cancelled)

Claim 2 (Currently amended): A ~~[[The]]~~ metal coordination compound ~~according to~~
~~Claim 1, wherein it is~~ represented by any one of Formulae I-(1) to I-(6),



(in the formulae, M is Ir, Rh, Ru, Os, Pd, or Pt, and \underline{n} is 2 or 3; when M is Ir, Rh, Ru, or Os and \underline{n} is 2, another bidentate ligand further bonds to M; ring A is a cyclic compound containing a nitrogen atom bonded to M; X₁ to X₇ may be any of a hydrogen atom, a halogen atom, a cyano group, a nitro group, a C1 to C22 straight-chain, cyclic, or branched alkyl group or a corresponding halogen-substituted alkyl group in which a part or all of the hydrogen atoms are substituted by a halogen atom, a C6 to C21 aryl group, a C2 to C20 heteroaryl group, or a C7 to C21 aralkyl group, or a corresponding halogen-substituted aryl group, halogen-substituted

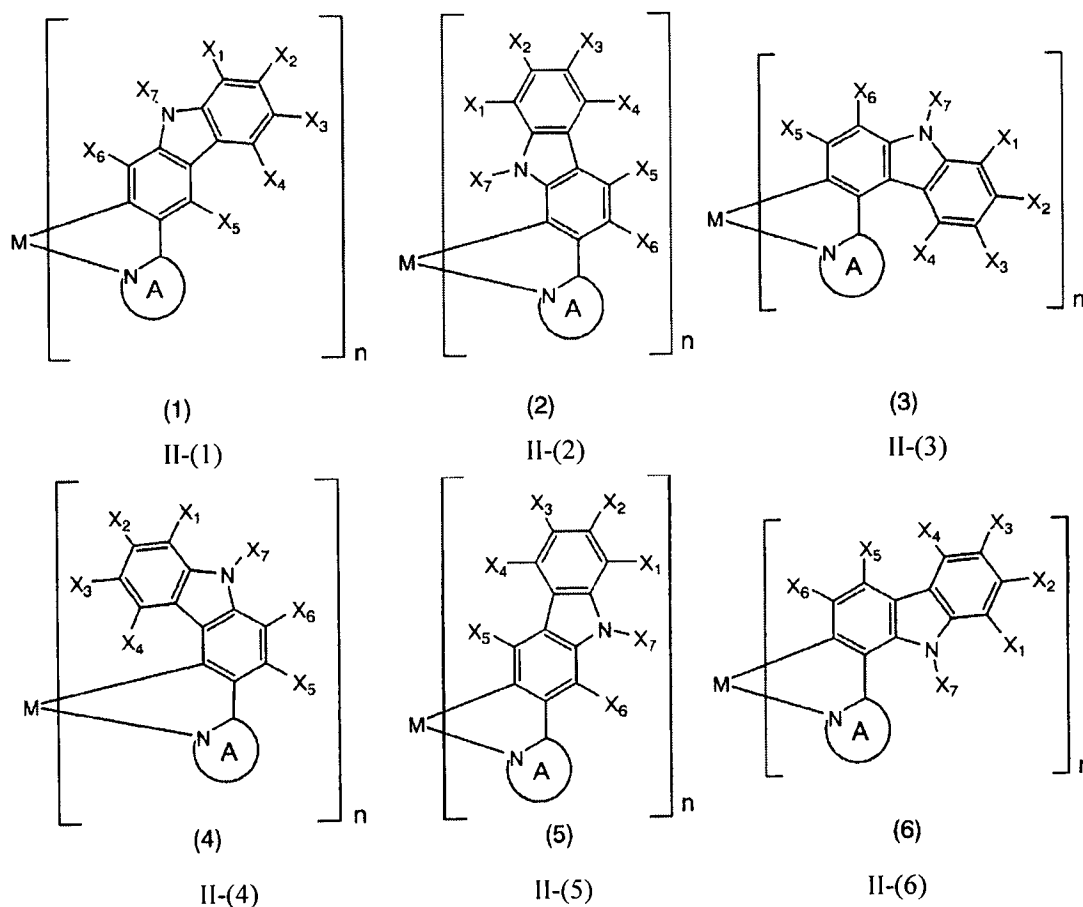
heteroaryl group, or halogen-substituted aralkyl group in which a part or all of the hydrogen atoms are substituted by a halogen atom, X_1 to X_7 may be identical to or different from each other, and ring A may have a substituent that is the same as the groups defined by X_1 to X_7)

wherein in Formulae I-(1) to I-(6) at least one of X_1 to X_7 and the substituent of ring A defined as being the same as X_1 to X_7 is a fluorine atom or a trifluoromethyl group.

Claim 3 (Original): The metal coordination compound according to Claim 2, wherein in Formulae I-(1) to I-(6) ring A is pyridine, quinoline, benzoxazole, benzothiazole, benzimidazole, benzotriazole, imidazole, pyrazole, oxazole, thiazole, triazole, benzopyrazole, or triazine, which may have a substituent that is the same as the groups defined by X_1 to X_7 .

Claim 4 (Cancelled)

Claim 5 (Withdrawn): The metal coordination compound according to Claim 1, wherein it is represented by any one of Formulae II-(1) to II-(6),

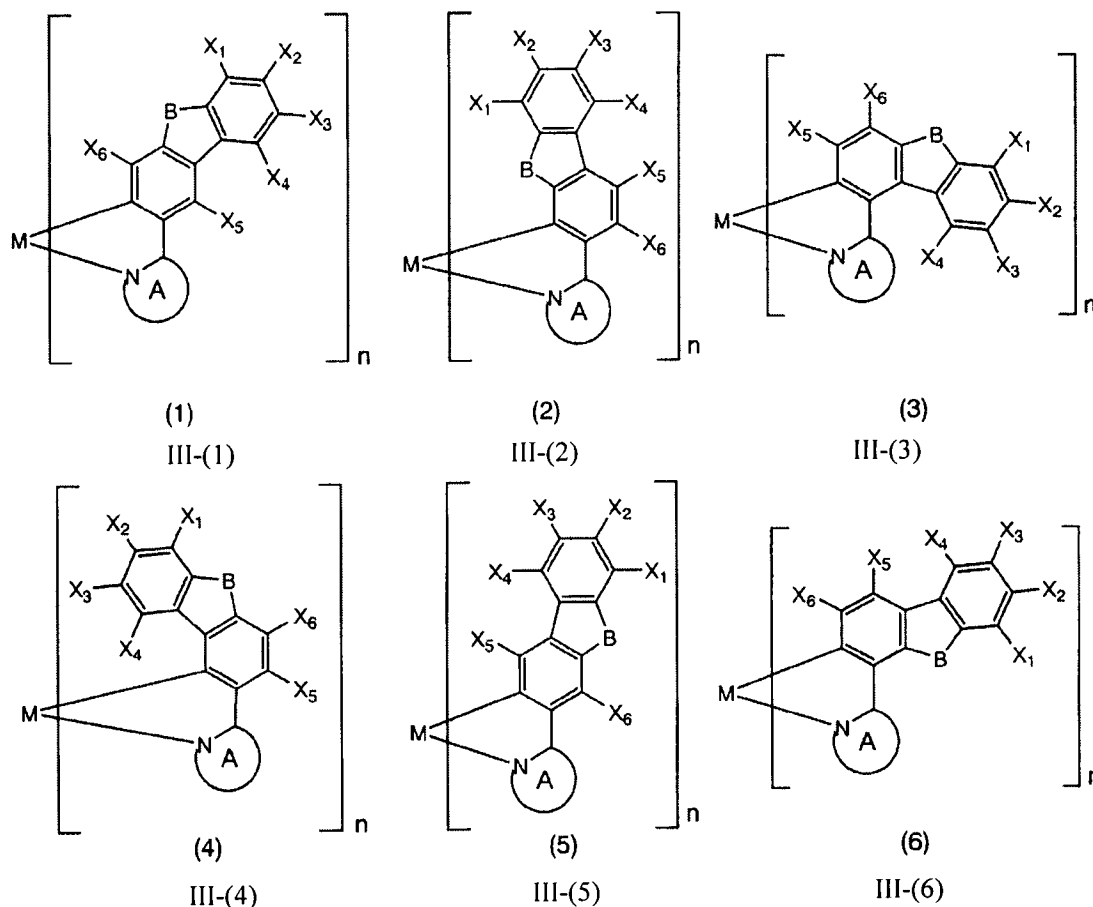


(in the formulae, M is Ir, Rh, Ru, Os, Pd, or Pt, and n is 2 or 3; when M is Ir, Rh, Ru, or Os and n is 2, another bidentate ligand further bonds to M; ring A is a cyclic compound containing a nitrogen atom bonded to M; X_1 to X_7 are independently substituents selected from the group consisting of -H, -OH, $-R^1$, $-OR^2$, $-SR^3$, $-OCOR^4$, $-COOR^5$, $-\text{Si}R^6R^7R^8$, $-\text{NH}_2$, $-\text{NHR}^9$, and $-\text{NR}^{10}R^{11}$ (here, R^1 to R^{11} represent a C1 to C22 straight-chain, cyclic, or branched alkyl group, a C6 to C21 aryl group, a C2 to C20 heteroaryl group, or a C7 to C21 aralkyl group, and R^1 to R^{11}

may be identical to or different from each other), X_1 to X_7 may be identical to or different from each other, and ring A may have a substituent that is the same as the groups defined by X_1 to X_7).

Claim 6 (Withdrawn): The metal coordination compound according to Claim 5, wherein in Formulae II-(1) to II-(6) ring A is pyridine, quinoline, benzoxazole, benzothiazole, benzimidazole, benzotriazole, imidazole, pyrazole, oxazole, thiazole, triazole, benzopyrazole, triazine, or isoquinoline, which may have a substituent that is the same as the groups defined by X_1 to X_7 .

Claim 7 (Withdrawn): The metal coordination compound according to Claim 1, wherein it is represented by any one of Formulae III-(1) to III-(6),



B : $>O$, $>S$, $>C=O$, $>SO_2$, $>CR_2$

(in the formulae, M is Ir, Rh, Ru, Os, Pd, or Pt, and \underline{n} is 2 or 3; when M is Ir, Rh, Ru, or Os and \underline{n} is 2, another bidentate ligand further bonds to M; ring A is a cyclic compound containing a nitrogen atom bonded to M; X_1 to X_6 and R are independently substituents selected from the group consisting of $-R^1$, $-OR^2$, $-SR^3$, $-OCOR^4$, $-COOR^5$, $-SiR^6R^7R^8$, and $-NR^9R^{10}$ (here, R^1 to R^{10} represent a hydrogen atom, a halogen atom, a cyano group, a nitro group, a C1 to C22 straight-chain, cyclic, or branched alkyl group or a corresponding halogen-substituted alkyl group in

which a part or all of the hydrogen atoms are substituted by a halogen atom, a C6 to C21 aryl group, a C2 to C20 heteroaryl group, or a C7 to C21 aralkyl group, or a corresponding halogen-substituted aryl group, halogen-substituted heteroaryl group, or halogen-substituted aralkyl group in which a part or all of the hydrogen atoms are substituted by a halogen atom, and R¹ to R¹⁰ may be identical to or different from each other), X₁ to X₆ may be identical to or different from each other, and ring A may have a substituent that is the same as the groups defined by X₁ to X₆).

Claim 8 (Withdrawn): The metal coordination compound according to Claim 7, wherein in Formulae III-(1) to III-(6) ring A is pyridine, quinoline, benzoxazole, benzothiazole, benzimidazole, benzotriazole, imidazole, pyrazole, oxazole, thiazole, triazole, benzopyrazole, triazine, or isoquinoline, which may have a substituent that is the same as the groups defined by X₁ to X₆.

Claim 9 (Currently amended): The metal coordination compound according to Claim 2 [[1]], wherein M is Ir.

Claim 10 (Currently amended): A polymer composition comprising the metal coordination compound according to Claim 2 [[1]] and a conjugated and/or non-conjugated polymer.

Claim 11 (Currently amended): An organic electroluminescent device fabricated using the metal coordination compound according to Claim 2_{[[1]]}.

Claim 12 (Currently amended): An organic electroluminescent device fabricated using the polymer composition according to Claim 10.